

Importance of non-Arctic states in conserving Arctic biodiversity: a case study of Britain and Ireland

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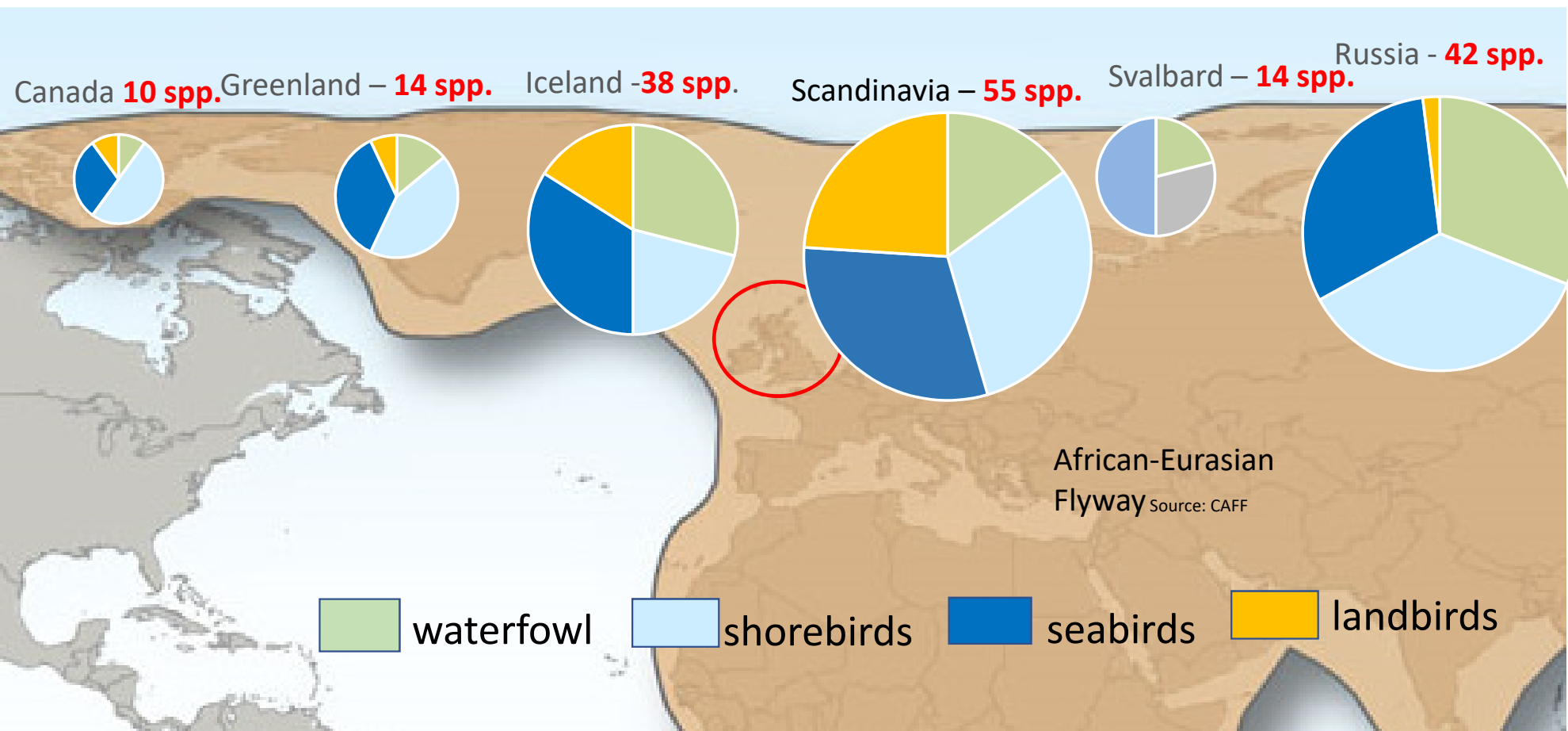
David Stroud, Joint Nature Conservation Committee (UK)

Tim Dunn, Joint Nature Conservation Committee (UK)

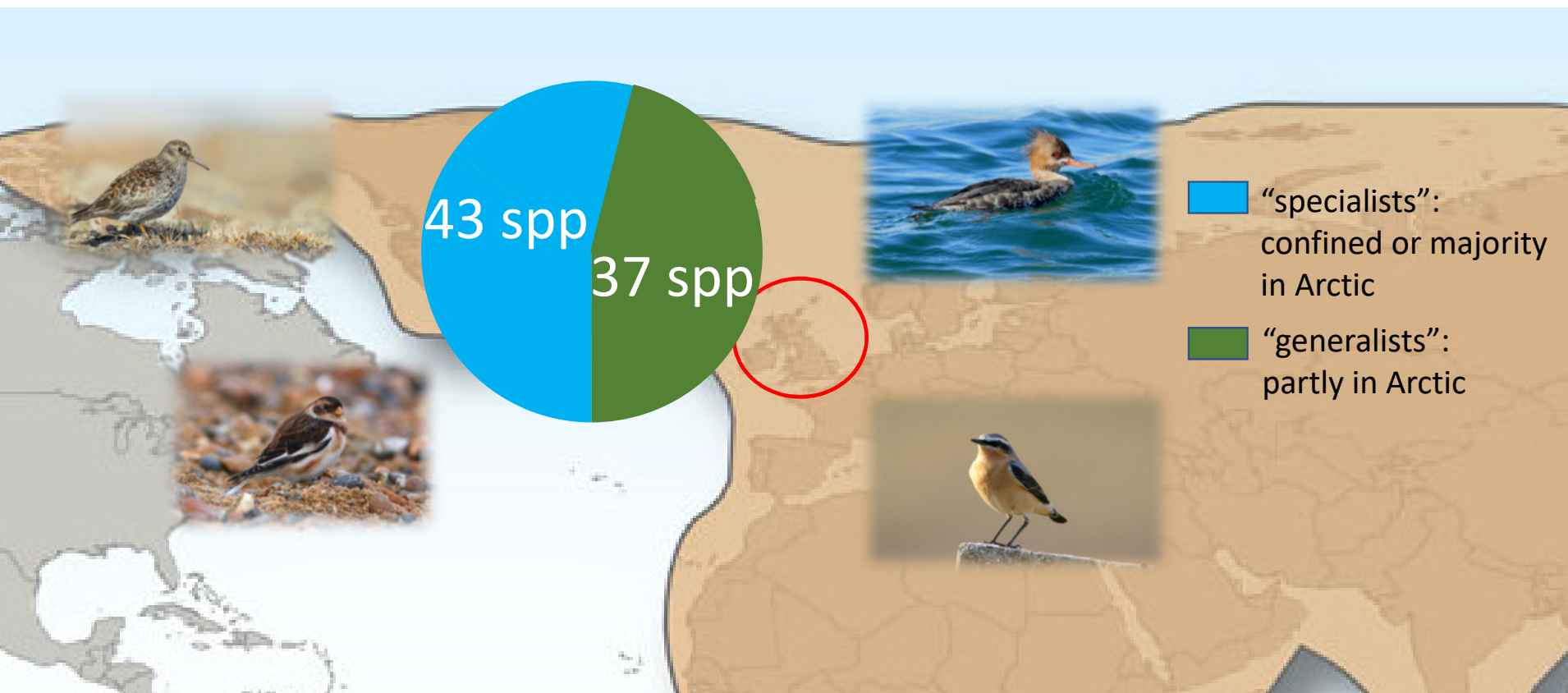


An Roinn Cultúir,
Oidhreacht agus Gaeltachta
Department of Culture,
Heritage and the Gaeltacht

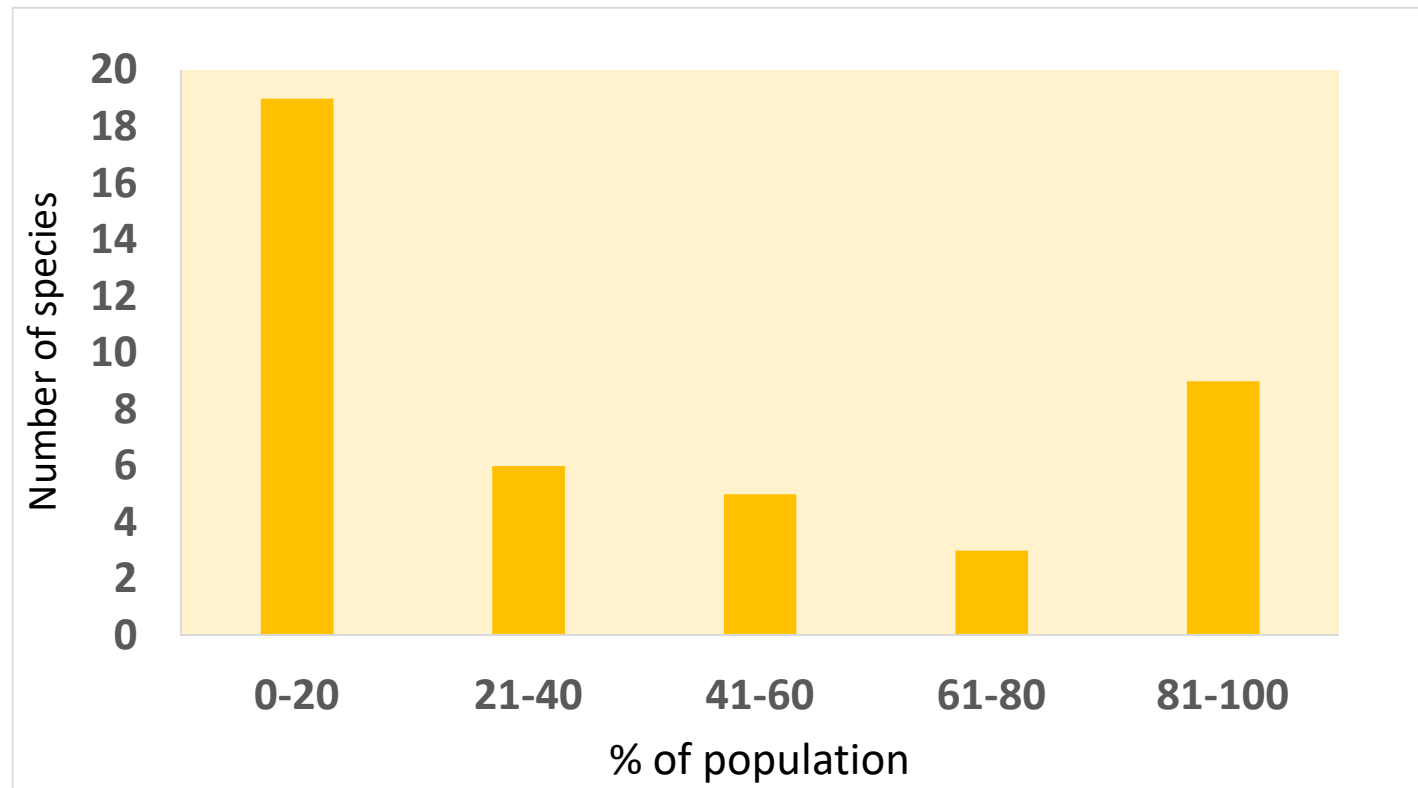
Arctic-breeding birds visit Britain & Ireland in significant numbers in non-breeding season



Most of the Arctic-breeding birds that visit B&I in significant numbers in non-breeding season are **Arctic specialists**



B&I host a large proportion of Arctic-breeding species' populations in non-breeding season



Species where B&I are most important

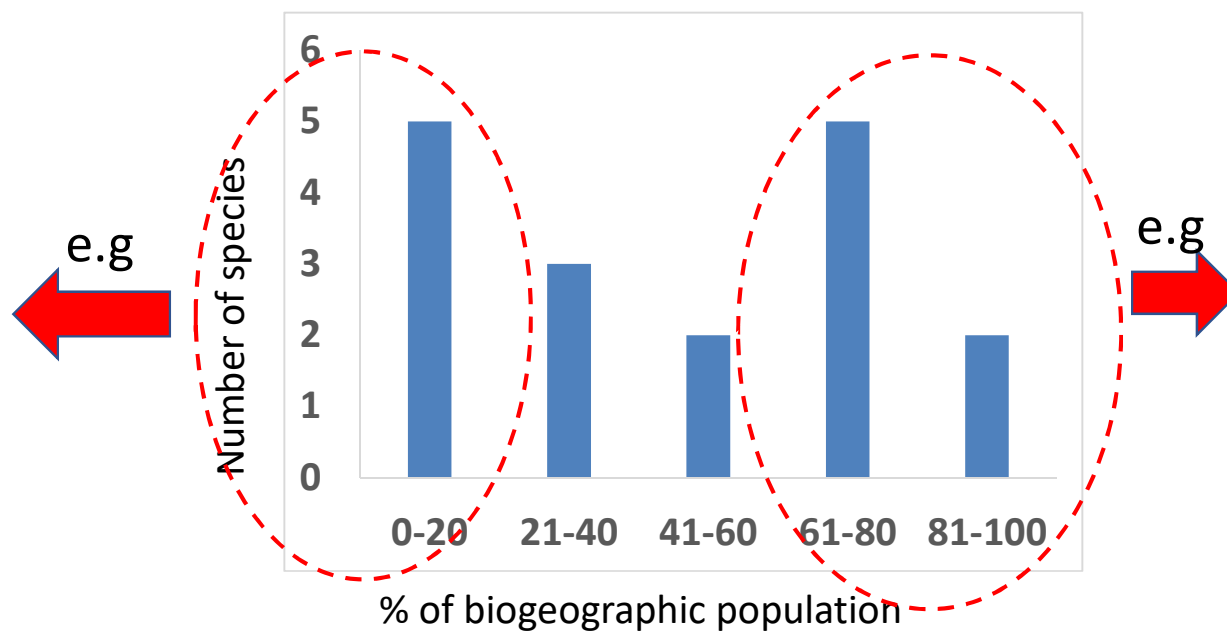
MP4
TD7
TD16



Slide 5

- MP4** probably too many species, esp if animating their origins -could restrict to the 9 spp that have >80%
Matt Parsons; 17.9.2018
- TD7** agree!
Tim Dunn; 26.9.2018
- TD16** The full title doesn't appear in slide-show mode
Tim Dunn; 26.9.2018

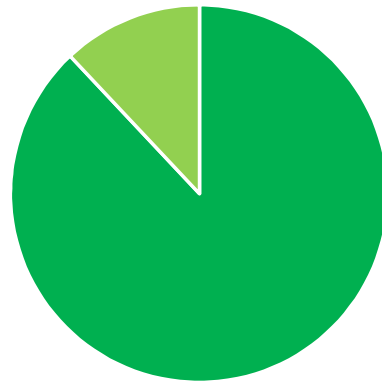
Protected sites in B&I play a key role for highly aggregating species



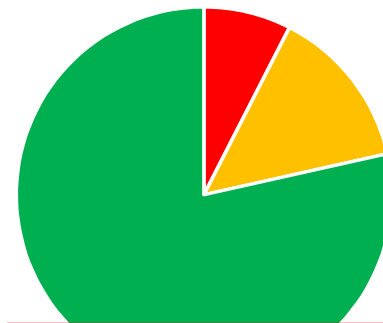
(concerns solely the 17 spp. where B&I hold
>40% of biogeographic population)

Some species' populations in B&I are **highly threatened**

IUCN Red List: Global



IUCN Red List: Britain*



* No Red list yet available for Ireland

Pressures operate on breeding grounds *and* non-breeding grounds

Pressure	Arctic Breeding grounds	Non-br grounds (B&I)
Climate change	✓	✓
Hunting	✓	✓
Illegal persecution	✓	✓
Agricultural intensification		✓?
Energy production		✓
Human disturbance		✓?

- “carry-over effects”... addressing pressures is most effective when internationally coordinated

Slide 8

MP7

revisit evidence from A12 and note which are from good published sources

Matt Parsons; 27.9.2018

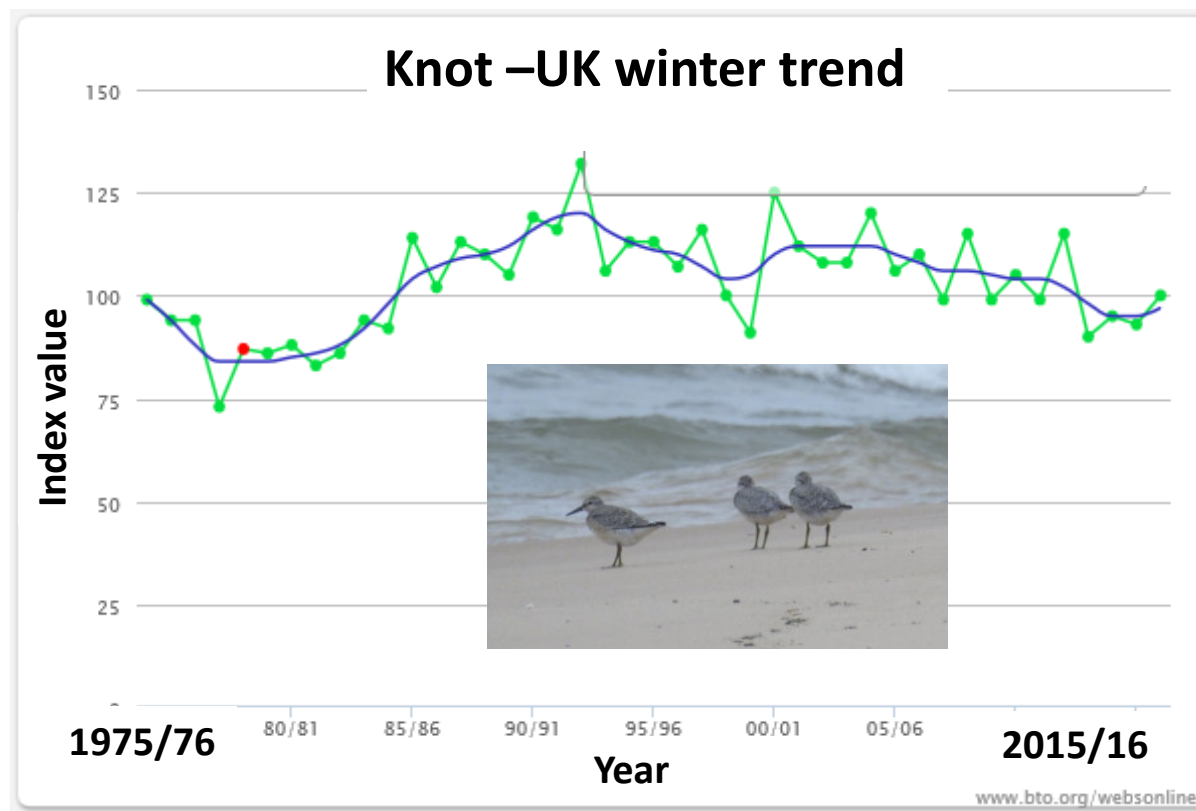
Many opportunities for non-Arctic countries to contribute to Arctic bird conservation

Some multilateral instruments:



Challenges for Arctic bird conservation in B&I...

- Maintain **monitoring** of B&I wetlands –



Challenges for Arctic bird conservation in B&I...

- Maintain **monitoring** of B&I wetlands –
- Maintain and enhance **research on pressures and how to address impacts;**
- Help birds survive **climate change** by also tackling other pressures
- Take **national action...**
- Maintain and enhance **international collaboration.**

Thank-you: All the contributors to bird monitoring schemes in Britain and Ireland – largely volunteers. Also, thanks to the supporters of the schemes:



Photo credits: James Bailey; Stephen Moores; Eliane Küpfer; D. Tilson; Paul Cools; Karen & Mike; leehicks1; guynecognito; Kari Pihlaviita; David J Barton; Justin ; mbeatty233; Greg Lasley; Kev Chapman; Mike Baird; Mark Kilner; Blake Matheson; Kathleen Sayce; Giuliana Pirotta; Marina Nikonorova; Roy Pilcher; www.inaturalist.org .



Sources:

CAFF 2013. Arctic Biodiversity Assessment. Status and trends in Arctic biodiversity. Conservation of Arctic Flora and Fauna, Akureyri; www.iucnredlist.org ; Stroud, D.A. (2018, in press). Sustaining arctic breeding waterbirds – policy implications for temperate countries resulting from arctic climate change. In: The Big Thaw: policy, governance and climate change in the circumpolar north. Ed. by Zubrow, E.B.W, Meidinger, E. & Connolly, K.D. State University of New York Press. Eaton, M., Aebischer, N., Brown, A., Hearn, R., Lock, L., Musgrove, A., Noble, D., Stroud, D. and Gregory, R. 2015. Birds of Conservation Concern 4: the population status of birds in the UK, Channel Islands and Isle of Man. British Birds, 108. Colhoun, K. and Cummins, S. 2013. Birds of Conservation Concern in Ireland 2014–2019 Irish Birds 9. Stroud, D.A., Bainbridge, I.P., Maddock, A., Anthony, S., Baker, H., Buxton, N., Chambers, D., Enlander, I., Hearn, R.D., Jennings, K.R, Mavor, R., Whitehead, S. & Wilson, J.D. 2016. The status of UK SPAs in the 2000s: the Third Network Review. JNCC, Peterborough. wpe.wetlands.org. BirdLife International. 2017. European birds of conservation concern: populations, trends and national responsibilities Cambridge, UK: BirdLife International. www.cdr.eionet.europa.eu ; www.npws.ie/protected-sites; Wernham, C., Toms, M., Marchant, J.H., Clark, J., Siriwardena, G. and Baillie, S.R. 2002. The Migration Atlas: Movements of the Birds of Britain and Ireland. British Trust for Ornithology; <https://app.bto.org/mapstore>; Musgrove, A., Aebischer, N., Eaton, M., Hearn, R., Newson, S., Noble, D., Parsons, M., Risely, K. and Stroud, D. 2013. Population estimates of birds in Great Britain and the United Kingdom. British Birds, 106.